

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062918\
 Data File : BF106974.D
 Acq On : 29 Jun 2018 15:45
 Operator : JU/SJ
 Sample : J3677-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 147-149-B1(0-5)

Manual Integrations
 APPROVED

Sohil
 6/30/2018 10:58:04 AM

Quant Time: Jun 29 16:35:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 11:40:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	80961	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	299654	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	137484	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	237647	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	214554	20.00	ng	-0.02
86) Perylene-d12	15.71	264	165943	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	413718	86.53	ng	0.00
7) Phenol-d6	6.60	99	521330	87.31	ng	-0.02
23) Nitrobenzene-d5	7.52	82	316531	58.70	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	145034	91.02	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	587825	69.72	ng	-0.02
78) Terphenyl-d14	13.07	244	560482	63.28	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.70	163	83749	8.122	ng	99
51) Acenaphthene	10.02	154	18462	2.153	ng	99
70) Phenanthrene	11.51	178	175434	15.305	ng	98
71) Anthracene	11.57	178	47381	4.050	ng	95
74) Fluoranthene	12.71	202	247837	19.617	ng	95
77) Pyrene	12.94	202	216480	15.301	ng	98
80) Benzo(a)anthracene	14.14	228	127529	9.753	ng	99
82) Chrysene	14.18	228	115015	9.560	ng	96
85) Indeno(1,2,3-cd)pyrene	17.28	276	43714	4.282	ng	# 87
87) Benzo(b)fluoranthene	15.25	252	127884m	12.406	ng	
88) Benzo(k)fluoranthene	15.27	252	40514m	4.127	ng	
89) Benzo(a)pyrene	15.64	252	85454	9.325	ng	96
91) Benzo(a,h,i)perylene	17.77	276	43414	5.719	ng	# 86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

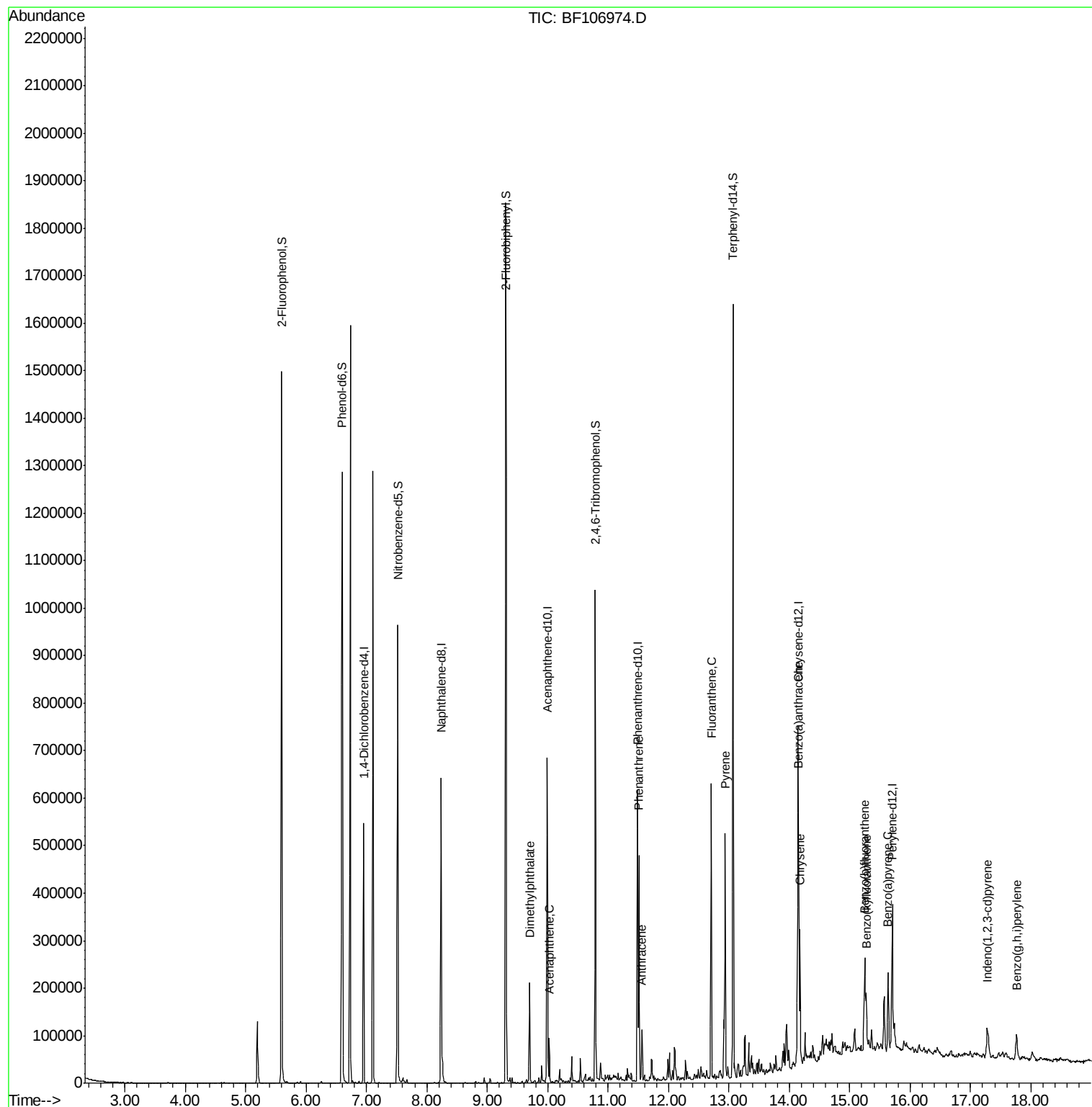
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062918\
Data File : BF106974.D
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#1

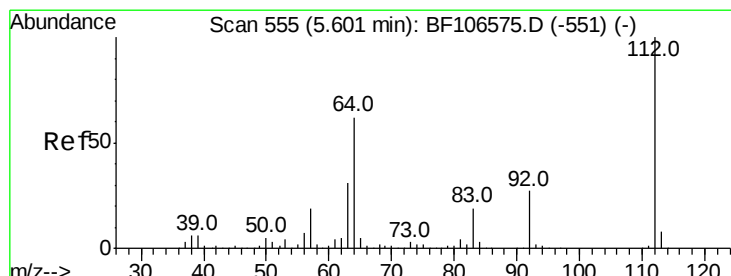
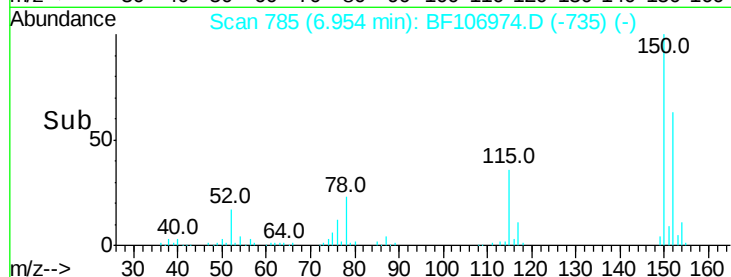
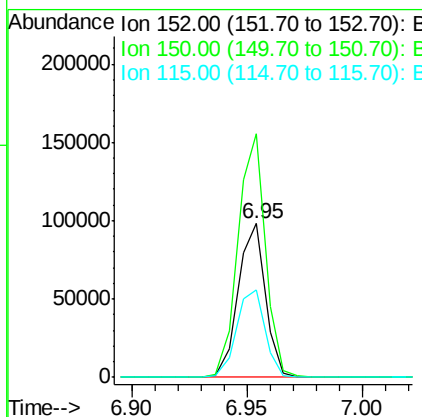
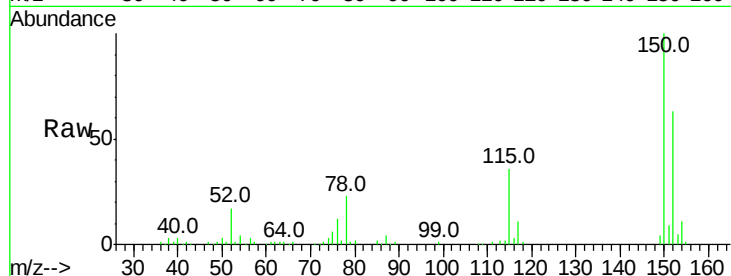
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF106974.D
Acq: 29 Jun 2018 15:45

Instrument :
BNA_F
ClientSampleId :
147-149-B1(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.6	186.8
115	57.1	50.1	75.1

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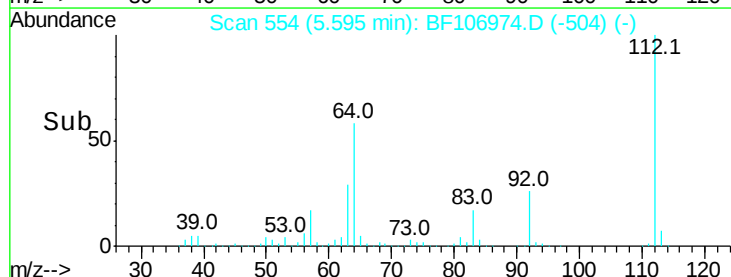
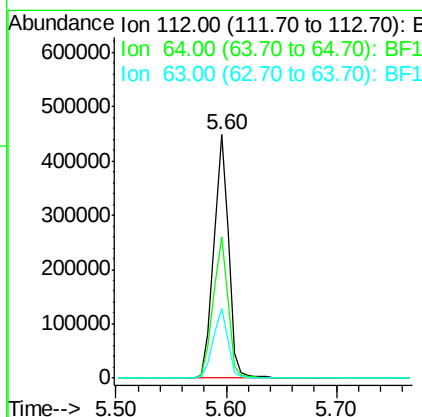
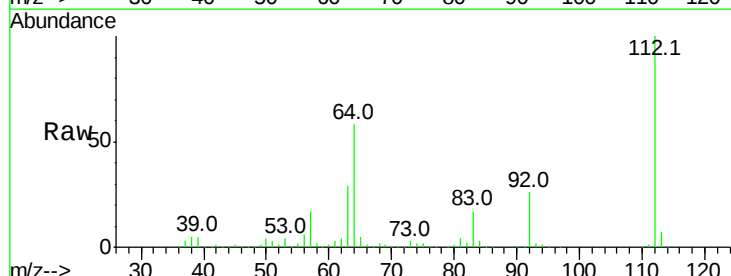
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#5

2-Fluorophenol
Concen: 86.530 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF106974.D
Acq: 29 Jun 2018 15:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	47.9	71.9
63	28.5	23.7	35.5





#7

Phenol-d6

Concen: 87.313 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF106974.D

Acq: 29 Jun 2018 15:45

Instrument :

BNA_F

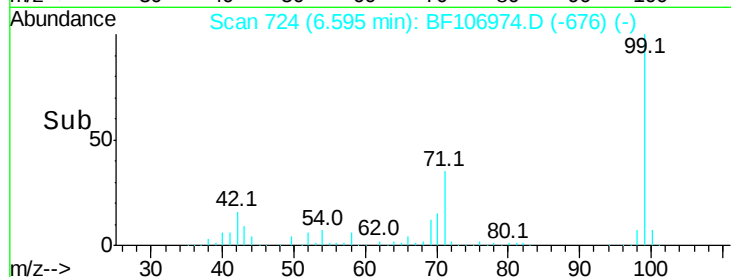
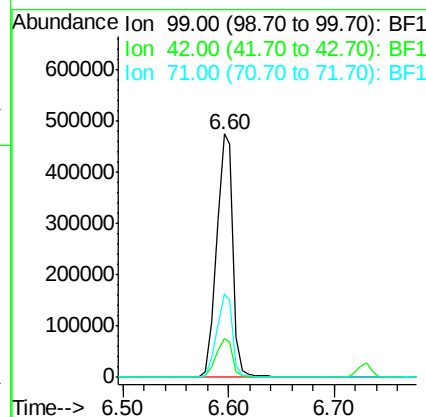
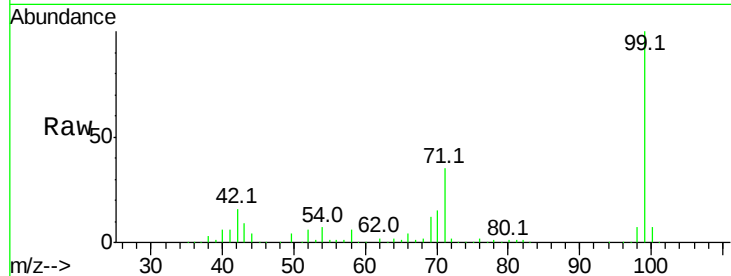
ClientSampleId :

147-149-B1(0-5)

Tot Ion:	99	Resp:	521330
Ion Ratio	Lower	Upper	
99	100		
42	16.2	14.5	21.7
71	34.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

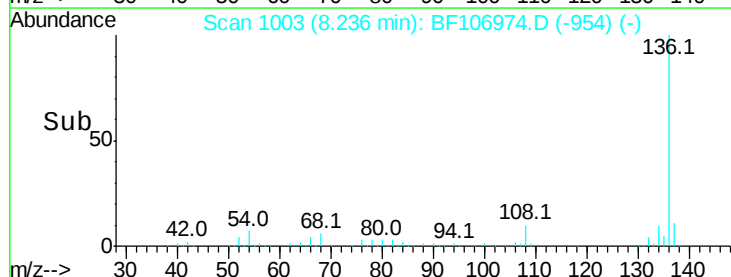
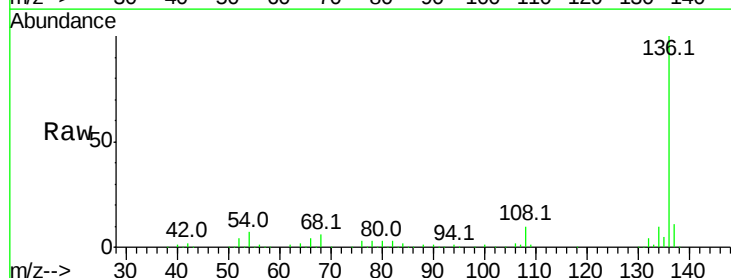
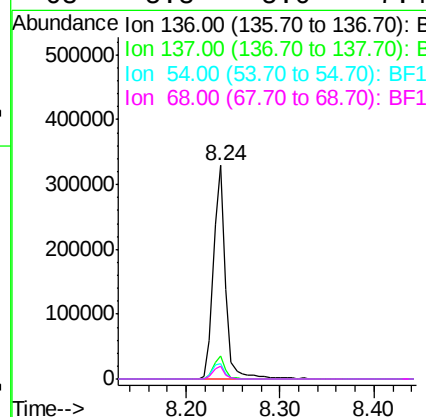
RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF106974.D

Acq: 29 Jun 2018 15:45

Tgt Ion:	136	Resp:	299654
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	7.2	6.6	9.8
68	5.8	5.0	7.4





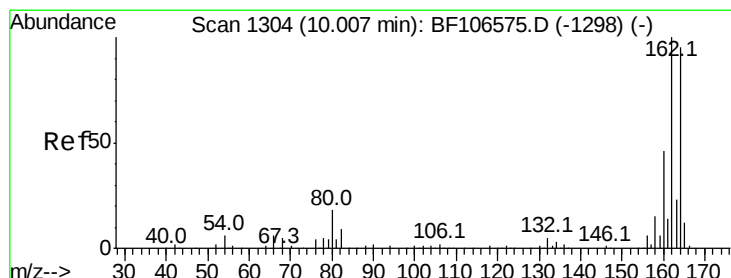
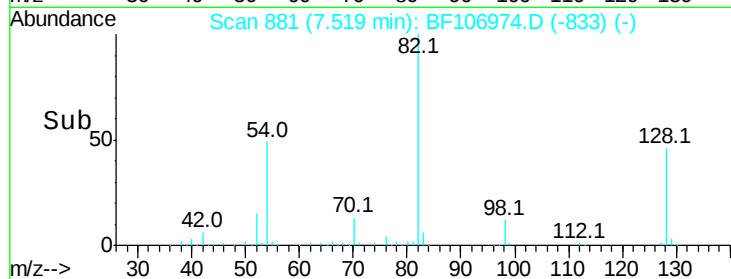
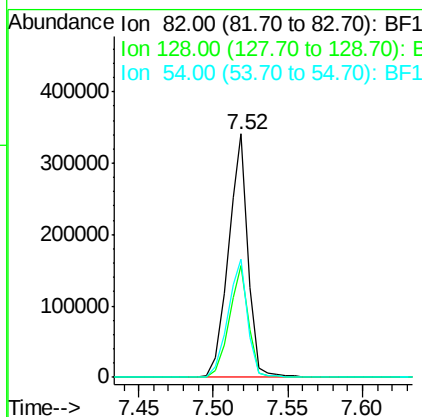
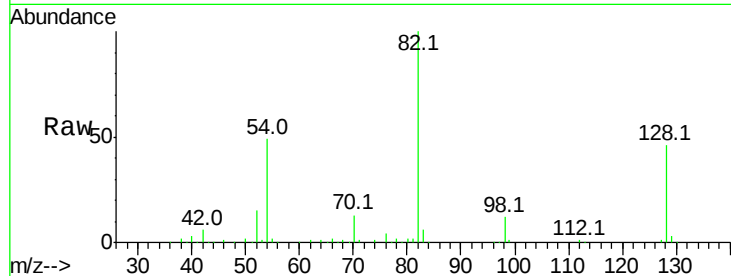
#23
 Nitrobenzene-d5
 Concen: 58.704 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF106974.D
 Acq: 29 Jun 2018 15:45

Instrument :
 BNA_F
 ClientSampleId :
 147-149-B1(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.9	36.1	54.1	
54	48.6	41.4	62.2	

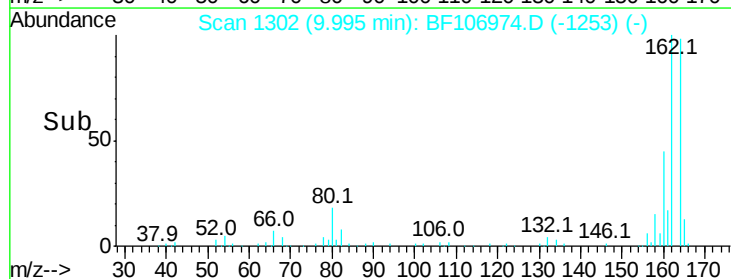
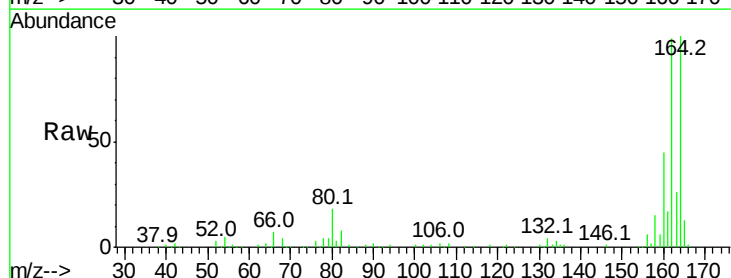
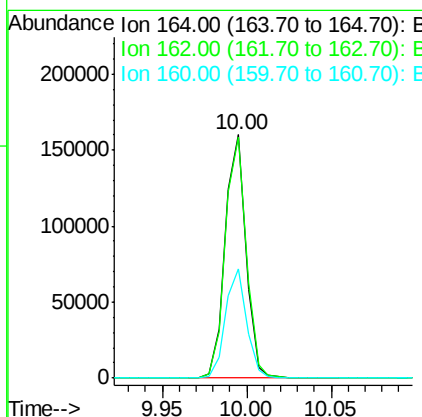
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF106974.D
 Acq: 29 Jun 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	98.8	86.1	129.1	
160	44.9	38.3	57.5	





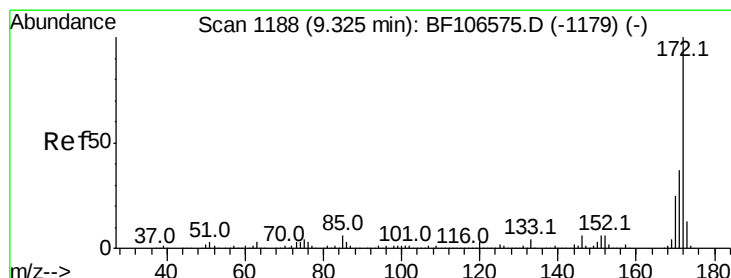
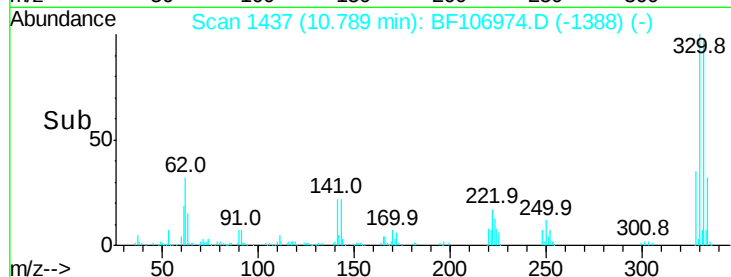
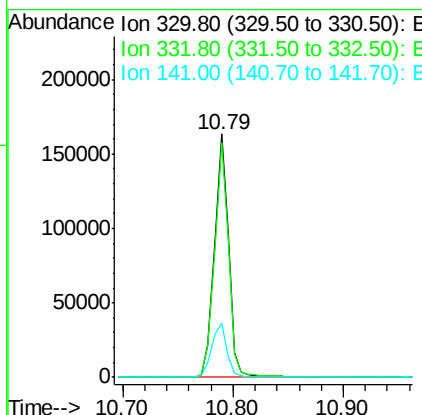
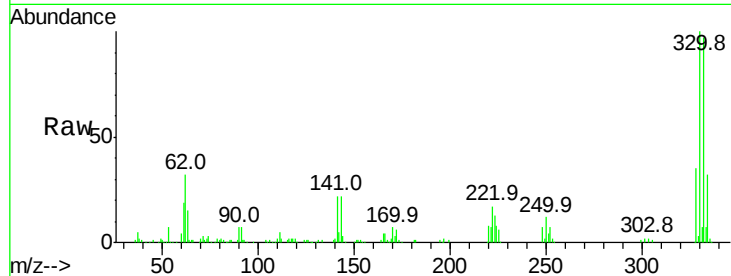
#41
 2,4,6-Tribromophenol
 Concen: 91.017 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF106974.D
 Acq: 29 Jun 2018 15:45

Instrument :
 BNA_F
 ClientSampleId :
 147-149-B1(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.2	77.0	115.6	
141	23.4	29.9	44.9	

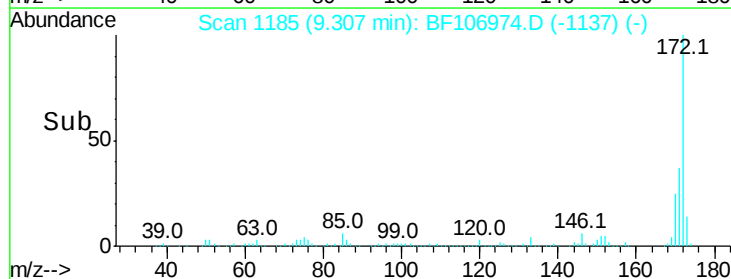
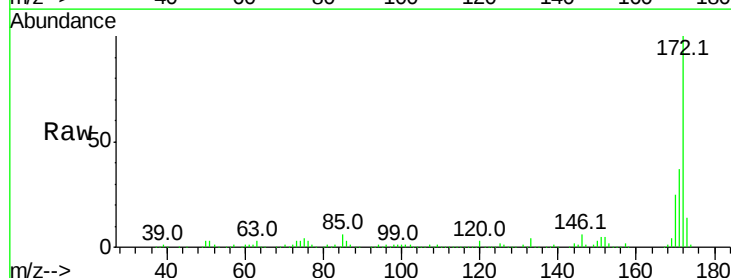
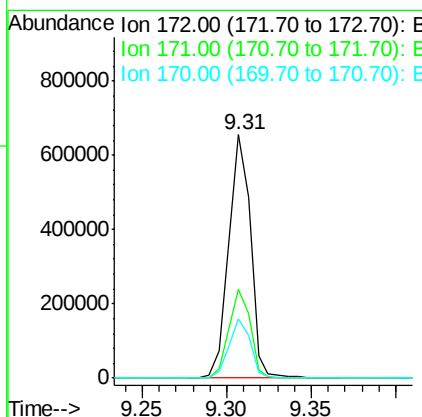
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#44
 2-Fluorobiphenyl
 Concen: 69.718 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF106974.D
 Acq: 29 Jun 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.5	29.7	44.5	
170	24.6	19.6	29.4	





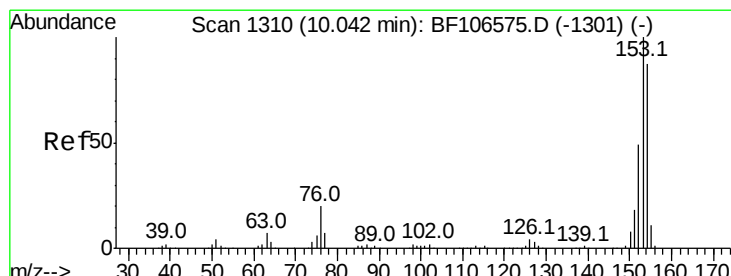
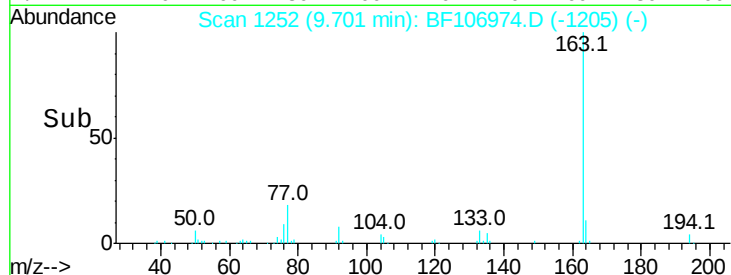
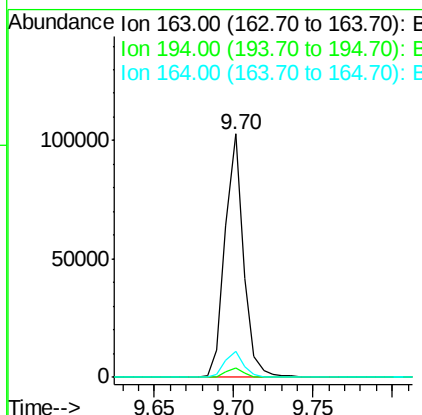
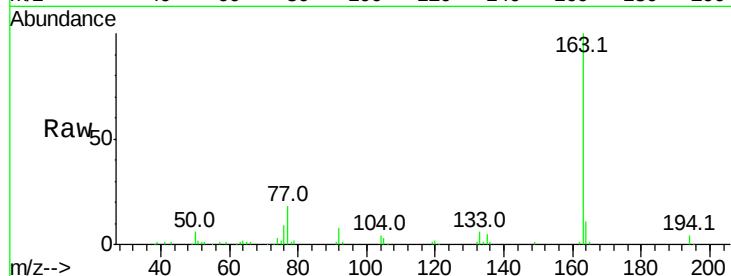
#49
Dimethylphthalate
Concen: 8.122 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF106974.D
Acq: 29 Jun 2018 15:45

Instrument :
BNA_F
ClientSampleId :
147-149-B1(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	83749		
194	4.0		2.7	4.1
164	10.6		8.2	12.2

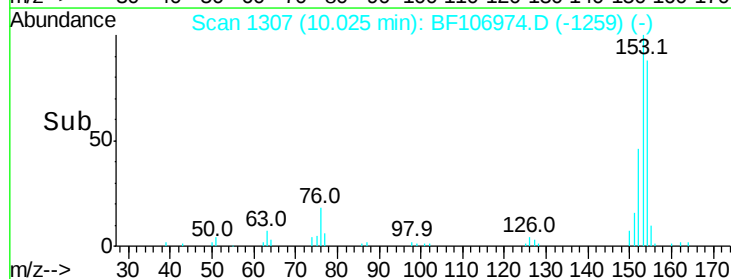
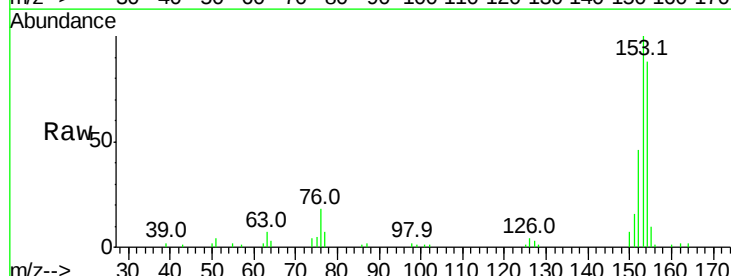
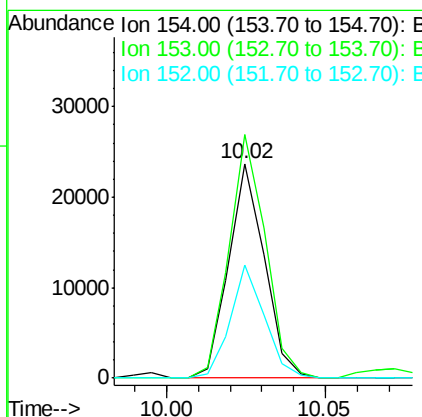
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#51
Acenaphthene
Concen: 2.153 ng
RT: 10.02 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF106974.D
Acq: 29 Jun 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	18462		
153	113.5		91.2	136.8
152	52.6		43.8	65.8





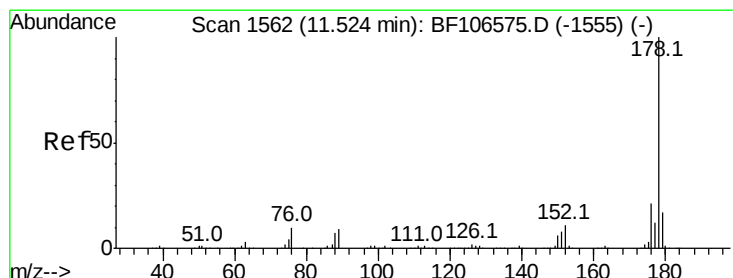
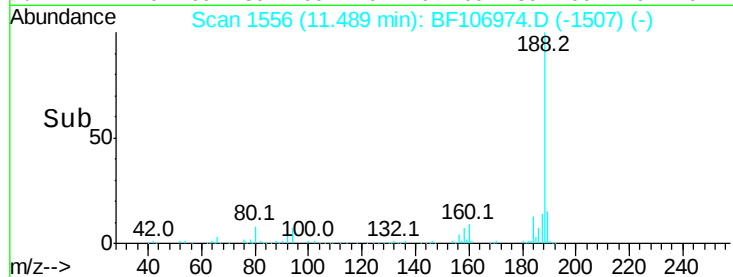
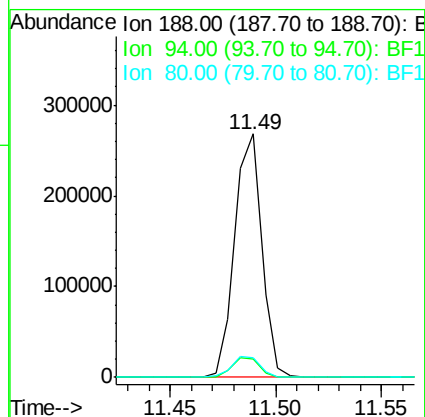
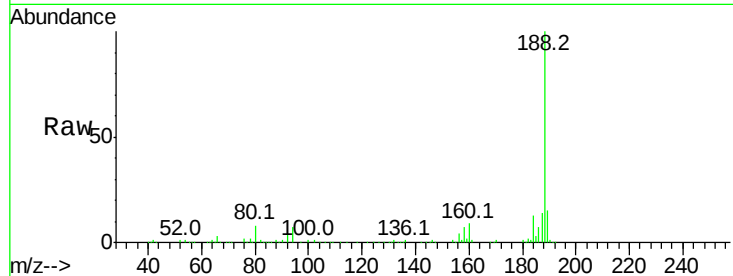
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF106974.D
Acq: 29 Jun 2018 15:45

Instrument :
BNA_F
ClientSampleId :
147-149-B1(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	7.5	8.5	12.7#	
80	8.3	9.2	13.8#	

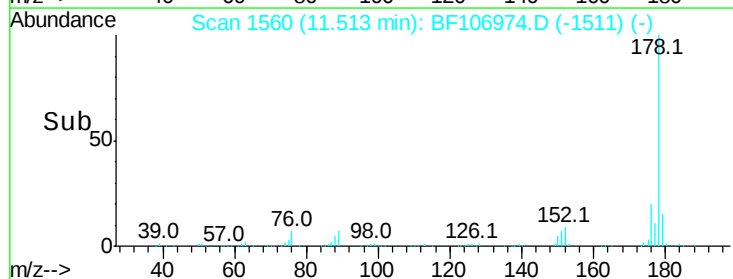
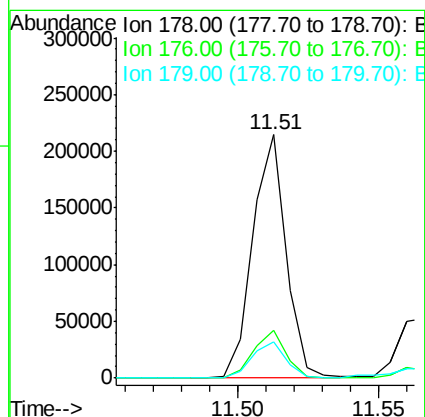
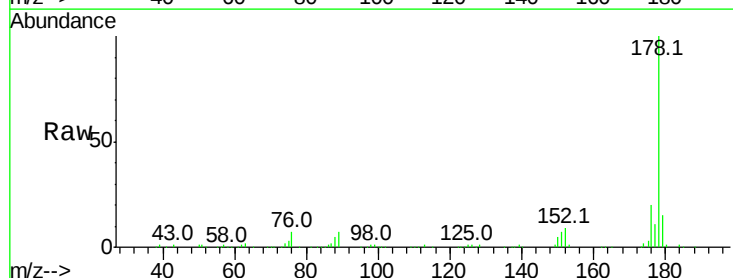
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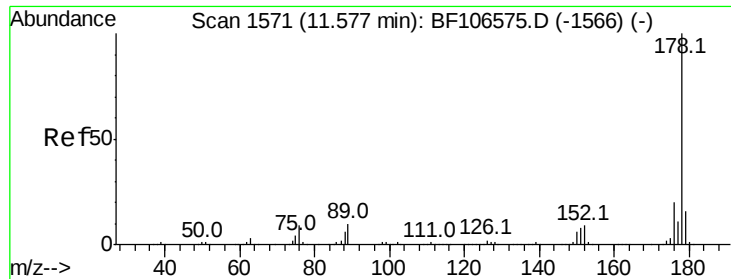
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#70
Phenanthrene
Concen: 15.305 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF106974.D
Acq: 29 Jun 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.6	15.8	23.8	
179	15.0	13.0	19.6	





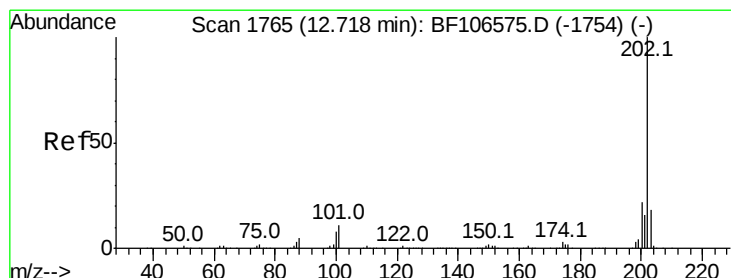
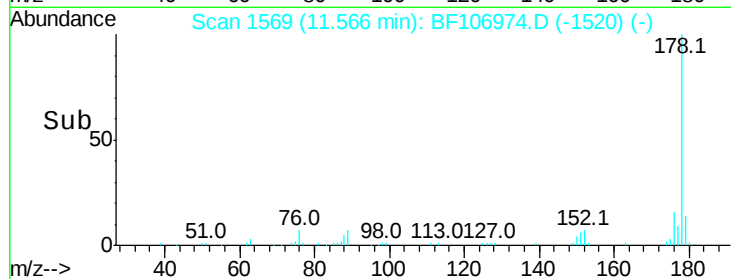
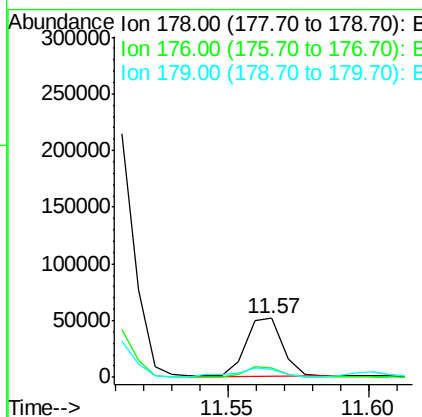
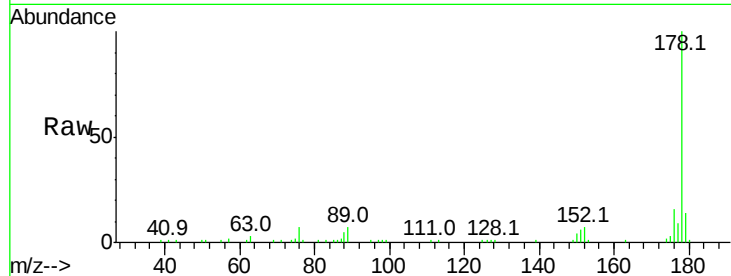
#71
 Anthracene
 Concen: 4.050 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF106974.D
 Acq: 29 Jun 2018 15:45

Instrument :
 BNA_F
 ClientSampleId :
 147-149-B1(0-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.5	15.4	23.2
179	14.4	12.6	19.0

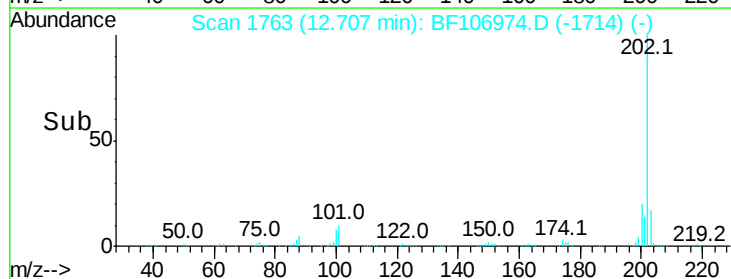
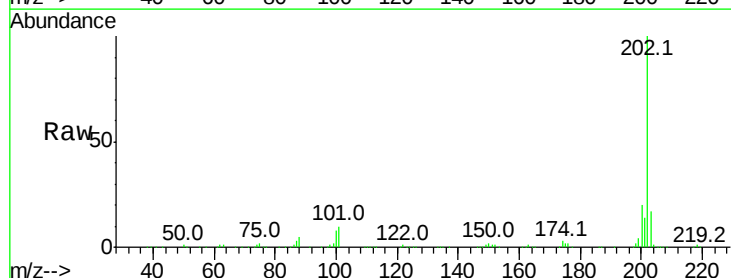
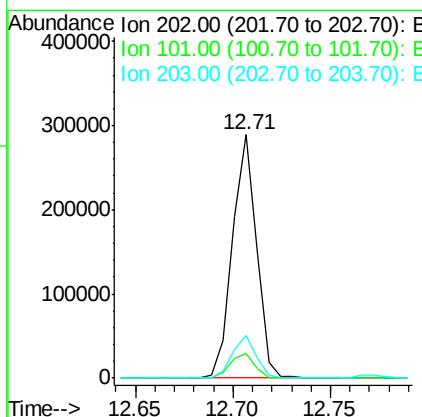
Manual Integrations
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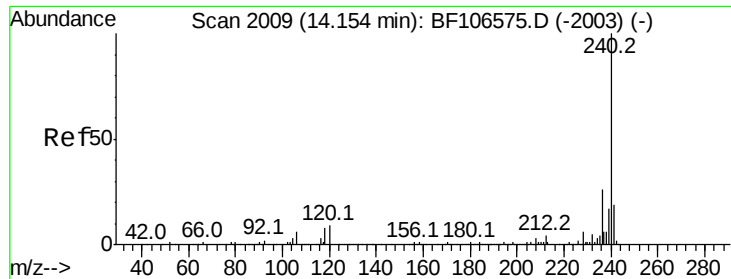
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#74
 Fluoranthene
 Concen: 19.617 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF106974.D
 Acq: 29 Jun 2018 15:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF106974.D

Acq: 29 Jun 2018 15:45

Instrument :

BNA_F

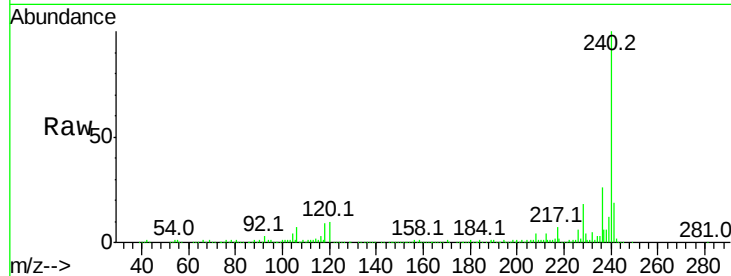
ClientSampleId :

147-149-B1(0-5)

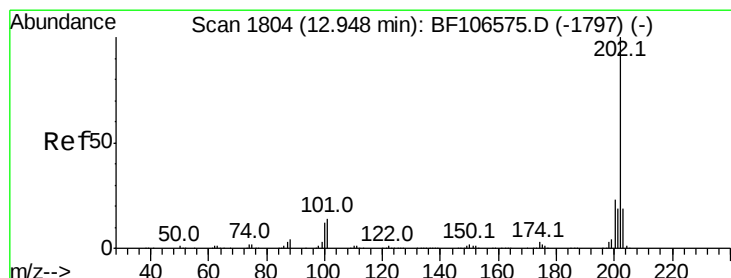
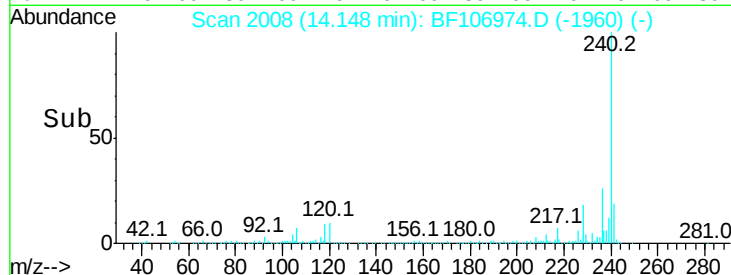
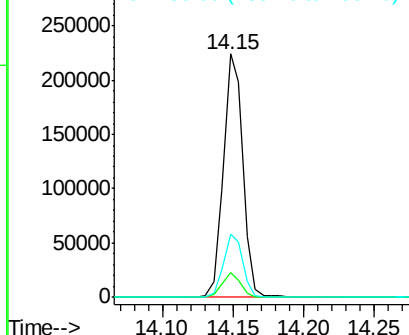
Tot Ion:	240	Resp:	214554
Ion Ratio	Lower	Upper	
240	100		
120	10.2	9.5	14.3
236	26.0	20.7	31.1

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6/30/2018 10:58:04 AM



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 15.301 ng

RT: 12.94 min Scan# 1802

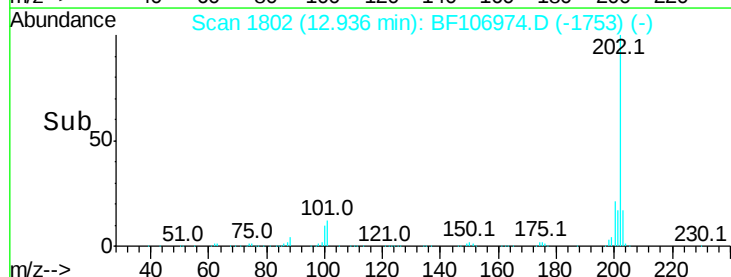
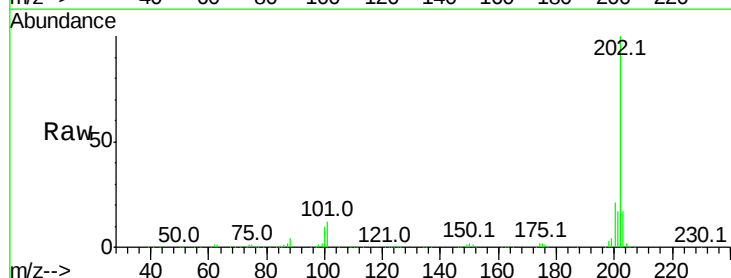
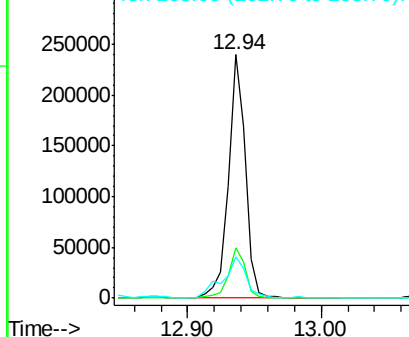
Delta R.T. -0.01 min

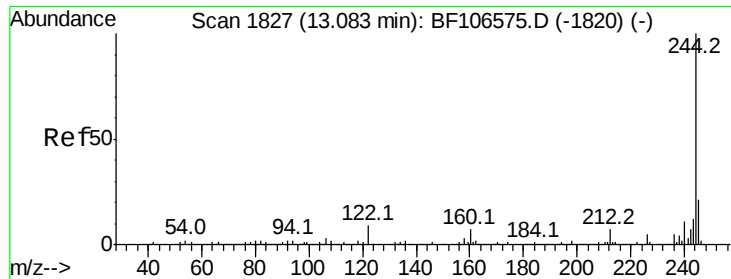
Lab File: BF106974.D

Acq: 29 Jun 2018 15:45

Tgt Ion:	202	Resp:	216480
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.4	26.2
203	17.0	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





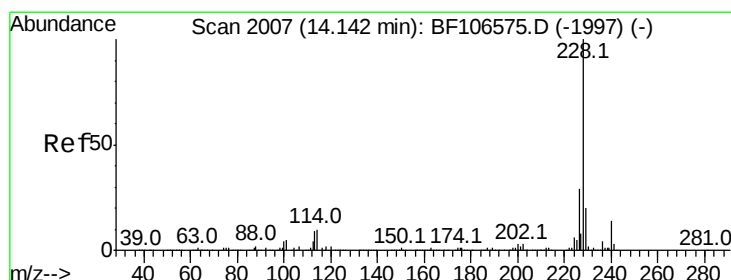
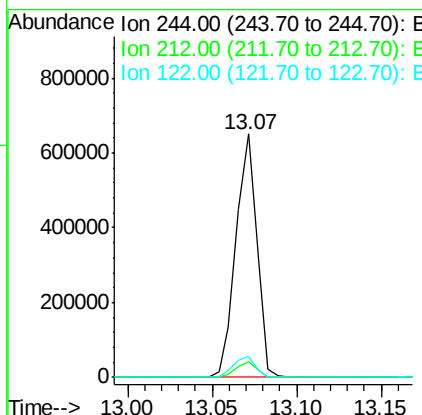
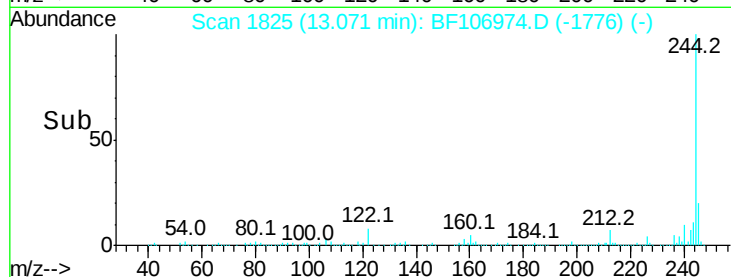
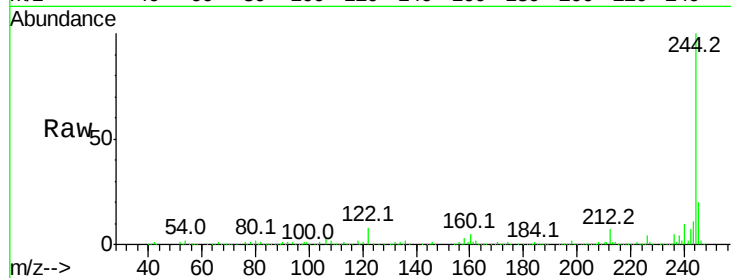
#78
 Terphenyl-d14
 Concen: 63.278 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF106974.D
 Acq: 29 Jun 2018 15:45

Instrument :
 BNA_F
 ClientSampleId :
 147-149-B1(0-5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	8.5	11.0	16.4

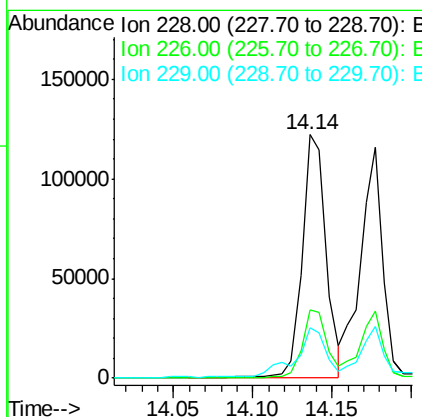
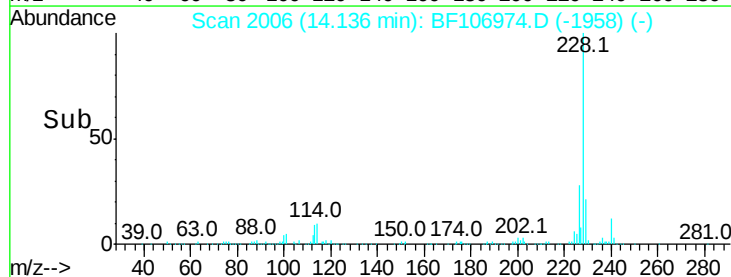
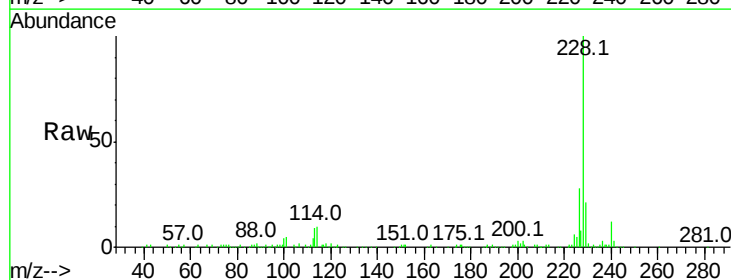
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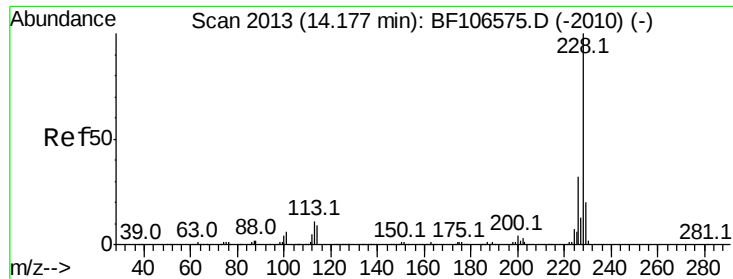
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#80
 Benzo(a)anthracene
 Concen: 9.753 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.02 min
 Lab File: BF106974.D
 Acq: 29 Jun 2018 15:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.9	15.8	23.6





#82

Chrysene

Concen: 9.560 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.02 min

Lab File: BF106974.D

Acq: 29 Jun 2018 15:45

Instrument :

BNA_F

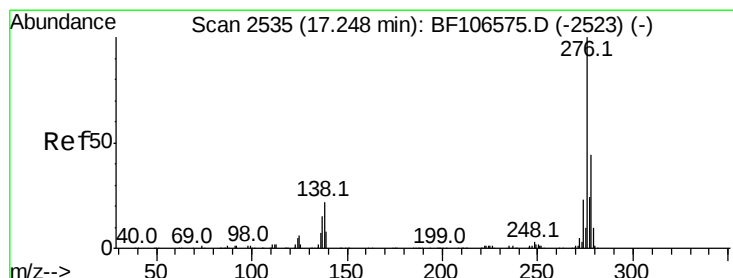
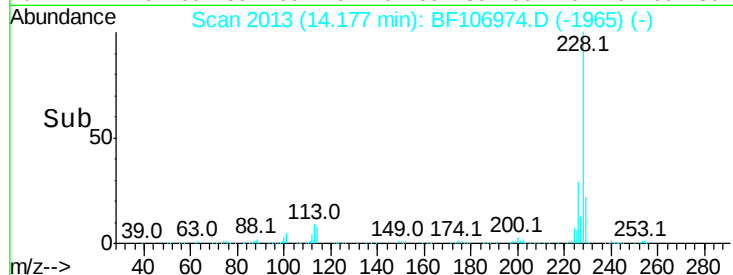
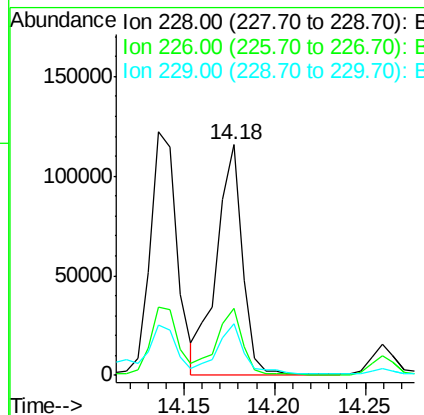
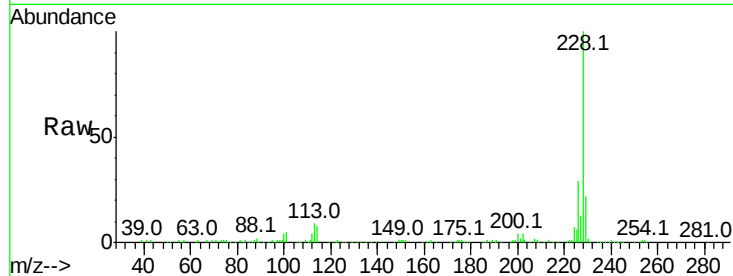
ClientSampleId :

147-149-B1(0-5)

Tot Ion:	228	Resp:	115015
Ion Ratio		Lower	Upper
228	100		
226	29.1	25.0	37.6
229	22.2	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.282 ng

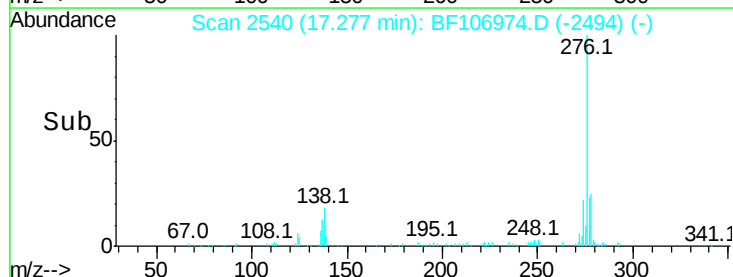
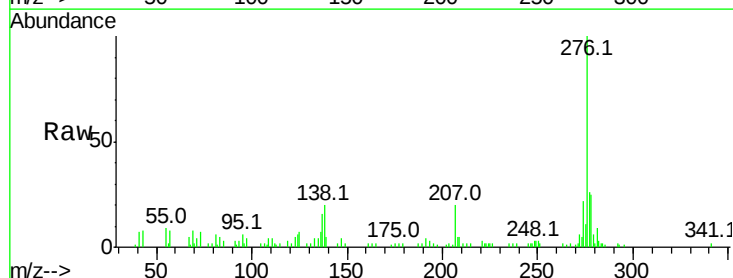
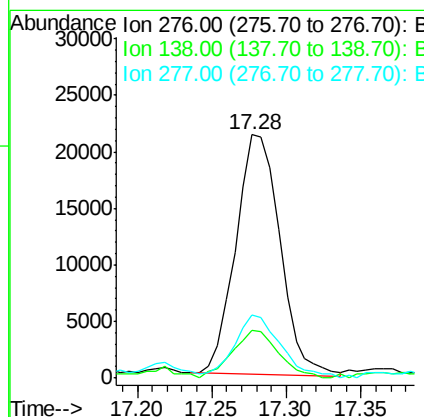
RT: 17.28 min Scan# 2540

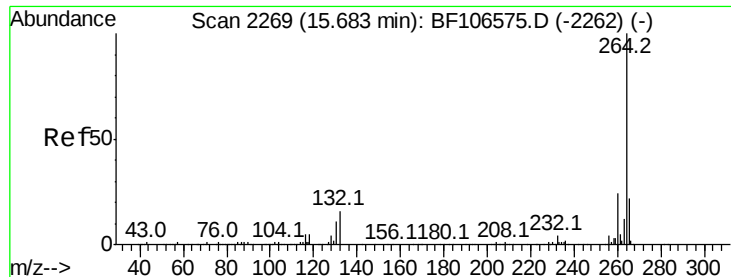
Delta R.T. -0.03 min

Lab File: BF106974.D

Acq: 29 Jun 2018 15:45

Tgt Ion:	276	Resp:	43714
Ion Ratio		Lower	Upper
276	100		
138	20.9	25.0	37.6#
277	27.7	20.1	30.1





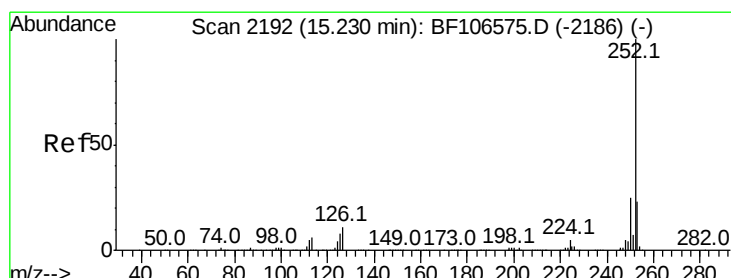
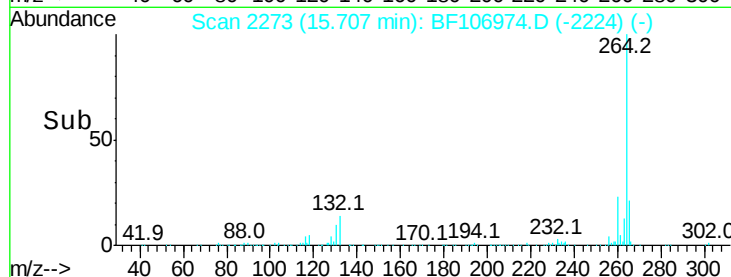
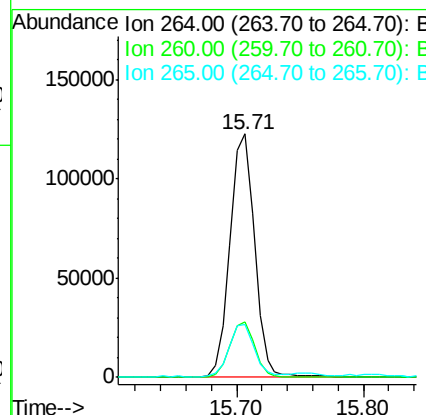
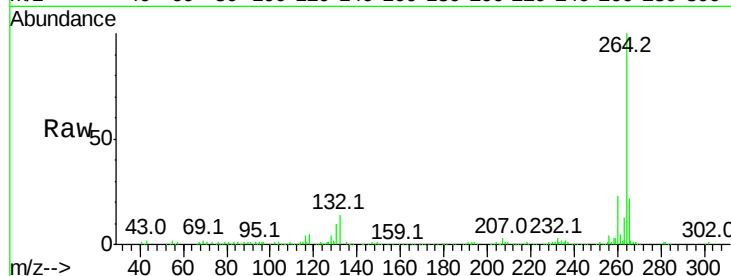
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF106974.D
Acq: 29 Jun 2018 15:45

Instrument :
BNA_F
ClientSampleId :
147-149-B1(0-5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.7	17.5	26.3

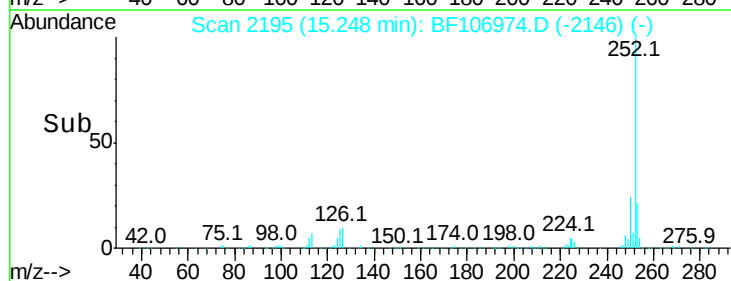
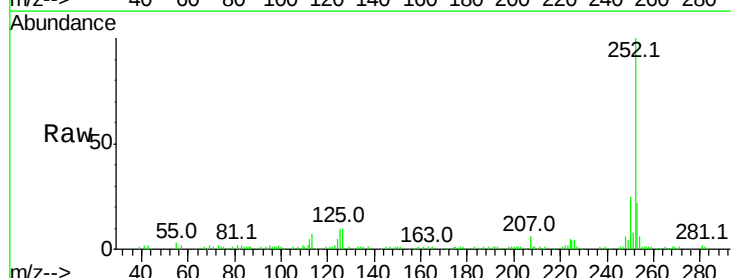
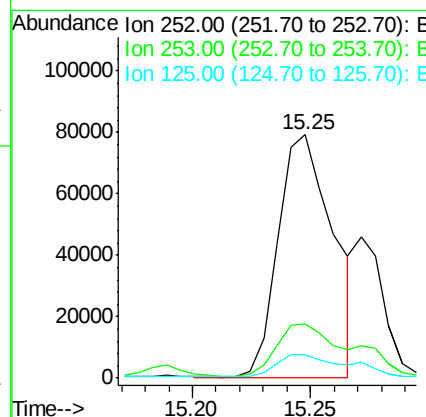
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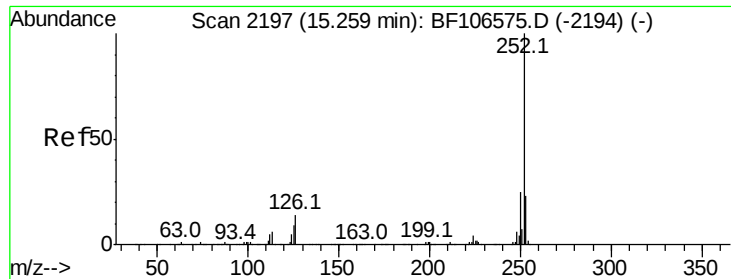
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#87
Benzo(b)fluoranthene
Concen: 12.406 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF106974.D
Acq: 29 Jun 2018 15:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	9.6	9.0	13.6





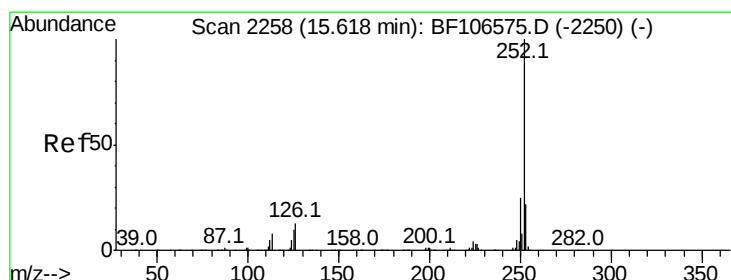
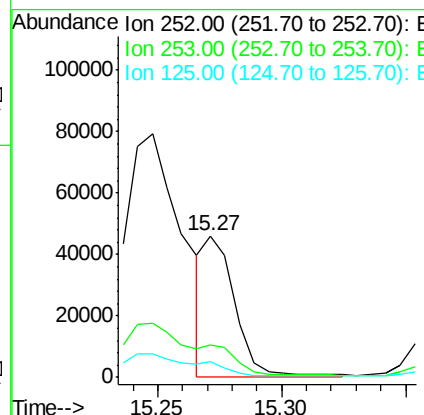
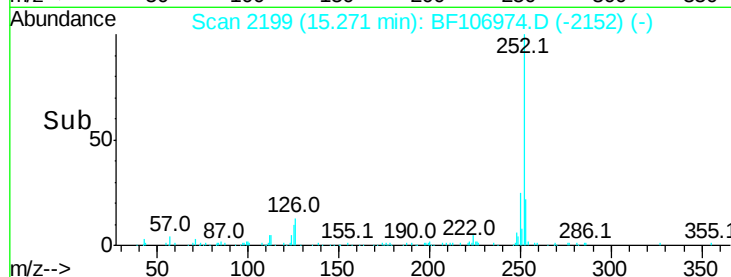
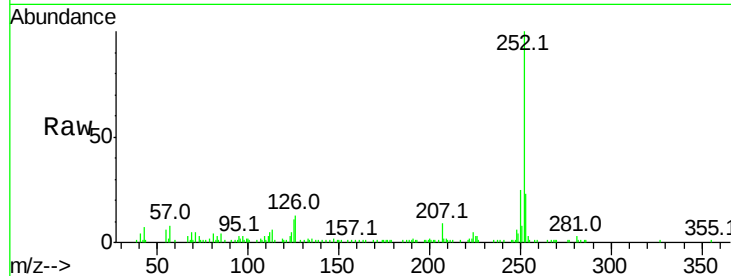
#88
Benzo(k)fluoranthene
Concen: 4.127 ng m
RT: 15.27 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF106974.D
Acq: 29 Jun 2018 15:45

Instrument :
BNA_F
ClientSampleId :
147-149-B1(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	10.7	10.2	15.2

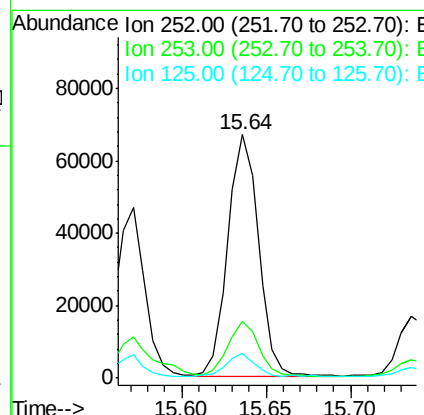
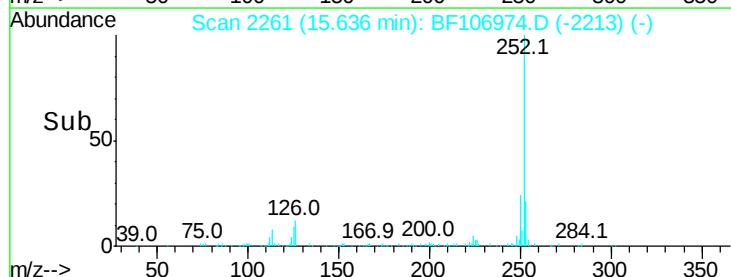
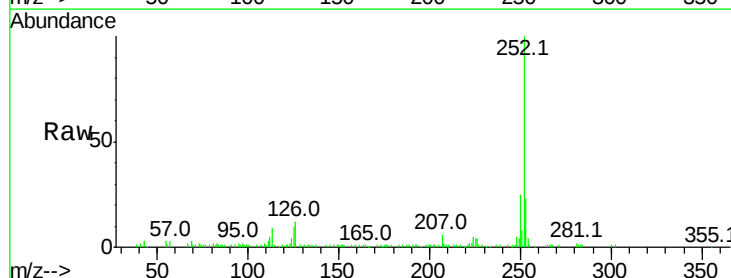
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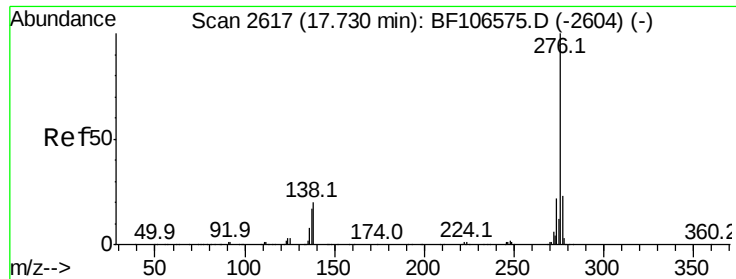
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#89
Benzo(a)pyrene
Concen: 9.325 ng
RT: 15.64 min Scan# 2261
Delta R.T. -0.02 min
Lab File: BF106974.D
Acq: 29 Jun 2018 15:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	9.9	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 5.719 ng
 RT: 17.77 min Scan# 2623
 Delta R.T. -0.02 min
 Lab File: BF106974.D
 Acq: 29 Jun 2018 15:45

Instrument :
 BNA_F
 ClientSampleId :
 147-149-B1(0-5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.9	26.9
138	16.5	21.8	32.8

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